



# SAP S/4HANA PM

## End-to-End Plant Maintenance Process & T-Code Guide

BY: KAMRAN ALI

*SAP PM | End-to-End Plant Maintenance Process*



## What SAP PM Really Is

SAP PM is not “maintenance tickets”.

It is a system to:

- Manage technical assets
- Plan preventive maintenance
- Handle breakdowns
- Control maintenance costs
- Integrate with MM, FI, CO

### Core Objective of SAP PM

Keep assets available at lowest possible cost  
with minimum downtime.

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# Process Flow Page





## 1. TECHNICAL OBJECTS (MASTER DATA)

### Functional Location (Structure-Based)

#### T-Code with Purpose

IL01	Create Functional Location
IL02	Change
IL03	Display

#### Used when:

- Plant hierarchy matters
- Maintenance by location



## 2. Equipment (Asset-Based)

### T-Code with Purpose

IE01	Create Equipment
IE02	Change
IE03	Display

### Used when:

- Individual asset tracking
- Serial numbers / history needed

**⚠️ Blind spot students miss:**

Equipment can be installed at Functional Location.



## MAINTENANCE NOTIFICATION (PROBLEM REPORTING)

### Notification Types (Conceptual)

- Breakdown
- Malfunction
- Preventive observation

### T-Code with Purpose

IW21      Create Notification

IW22      Change

IW23      Display

### Key data:

- Priority
- Malfunction start/end
- Cause codes



## MAINTENANCE ORDER (EXECUTION CORE)

### T-Code with Purpose

IW31	Create Maintenance Order
IW32	Change
IW33	Display

### Order contains:

- Operations (labor)
- Materials
- Costs
- Settlement receiver



## PLANNING & SCHEDULING

### Task Lists

#### T-Code with Purpose

IA01 General Task List

IA02 Change

IA03 Display

### Maintenance Planning

#### T-Code with Purpose

IP01 Create Maintenance Plan

IP02 Change

IP03 Display

IP10 Schedule Plan



## EXECUTION (MM + PM INTEGRATION)

- Materials issued via MIGO
- Labor recorded via Confirmation

### T-Code with Purpose

IW41	Time Confirmation
MIGO	Material Issue (261)

#### Blind spot:

PM doesn't work alone.

MM + PM integration is mandatory knowledge.



## CONFIRMATION & COMPLETION

### T-Code with Purpose

**IW41** Operation Confirmation

**IW44** Order Confirmation Overview

**IW42** Change Confirmation

### Technical Completion

**IW32** Set TECO

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## COSTING & SETTLEMENT

### T-Code with Purpose

**KO88** Order Settlement

**KOB1** Cost Line Items

### Explain:

- Internal order vs cost center
- Settlement profile conceptually

To understand this cost settlement logic with real-time PM scenarios, feel free to message me or connect with me directly.

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## REPORTING & ANALYSIS

### T-Code with Purpose

IW28	Notification List
IW38	Order List
IW39	Order History
MCJC	Maintenance Cost Report

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## Do you know?

- Difference between Equipment & Functional Location
- Preventive vs Breakdown Maintenance
- Notification vs Order
- TECO vs CLSD
- PM-MM integration

(To understand this cost settlement logic with real-time PM scenarios, feel free to message me or connect with me directly.)

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# *Thank you!*

For going through this guide.

It was created to help you understand SAP as a process, not just as transactions.

If you want deeper clarity on any topic, feel free to message or connect with me.

## Do You Need More Help?

👉 What SAP guide would you like next?

*MM Advanced, PM Deep Dive, QM, PS, WM/EWM, or something else*

*Comment below and let me know.*

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